

for 10/20/12 \$ Talk to Dr. in Rm. 2010A
P. M. A. M.

<!--StartFragment-->RESULT 15

AAE29399
 ID AAE29399 standard; protein; 145 AA.
 XX
 AC AAE29399;
 XX
 DT 27-JAN-2003 (first entry)
 XX
 DE N. meningitidis ADP-ribosylating toxin mutant protein (E111X).
 XX
 KW ADP-ribosylating toxin; immune response; mucosal adjuvant; gene therapy;
 KW vaccine; bacterial infection; immunostimulant; antibacterial; mutant;
 KW mutein.
 XX
 OS Neisseria meningitidis MC58.
 OS Synthetic.
 XX
 FH Key Location/Qualifiers
 FT Misc-difference 111
 FT /note= "Wild-type Glu substituted with Xaa where Xaa
 FT corresponds to Ala, Gly, Lys, Asp, Ser"
 XX
 PN WO200279242-A2.
 XX
 PD 10-OCT-2002.
 XX
 PF 28-MAR-2002; 2002WO-IB002080. MS
 XX
 PR 30-MAR-2001; 2001GB-00008024.
 XX
 PA (CHIR-) CHIRON SPA.
 XX
 PI Massignani V, Pizza M, Rappuoli R;
 XX
 DR WPI; 2002-740936/80.
 XX
 PT New protein useful for manufacturing a medicament for raising an immune
 PT response or for treating or preventing bacterial infection, as a mucosal
 PT adjuvant, as a diagnostic reagent, or as a vaccine.
 XX
 PS Disclosure; Page; 62pp; English.
 XX
 CC The present invention relates to novel ADP-ribosylating bacterial toxins
 CC and polynucleotides encoding such proteins. Toxins of the invention or
 CC their mutants are useful in the manufacture of medicaments for raising an
 CC immune response in animals or for use as mucosal adjuvants. They are used
 CC as diagnostic reagents for detecting the presence of bacteria or
 CC antibodies raised against the bacteria. The compositions are used as
 CC medicaments (e.g. vaccine) or in the manufacture of medicaments, for
 CC treating or preventing bacterial infection such as those caused by
 CC Neisseria meningitidis, Streptomyces coelicolor, Mycoplasma pneumoniae,
 CC Salmonella typhimurium, Salmonella paratyphi or Streptococcus pyogenes.
 CC Sequences of the invention are also used in gene therapy. The present
 CC sequence is Neisseria meningitidis serogroup B ADP-ribosylating toxin
 CC truncated mutant protein. Note: This sequence is not shown in the
 CC specification but is derived from Neisseria meningitidis ADP-ribosylating
 CC toxin wild-type protein shown as SEQ ID NO: 1 in page 51 of the
 CC specification (AAE29372)
 XX
 SQ Sequence 145 AA;

Query Match 99.2%; Score 767; DB 5; Length 145;
Best Local Similarity 99.3%; Pred.' No. 8.4e-82;
Matches 144; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MGNFLYRGISCQQDEQNNGQLPKGNKAEVAIRYDGKFKYDGKATHGPSVKNAVYAHQIE 60
||| ||| ||| ||| ||| ||| |||
Db 1 MGNFLYRGISCQQDEQNNGQLPKGNKAEVAIRYDGKFKYDGKATHGPSVKNAVYAHQIE 60
|||
Qy 61 TGLYDGCGYISTTDKEIAKKFATSSGIENGYIYVLNRDLFGQYSIFEYEVEHPENPNEKE 120
||| ||| ||| ||| ||| |||
Db 61 TGLYDGCGYISTTDKEIAKKFATSSGIENGYIYVLNRDLFGQYSIFEYEVXHPENPNEKE 120
|||
Qy 121 VTIRAEDCGCIPPEEVIIAKELIEIN 145
||| ||| ||| ||| |||
Db 121 VTIRAEDCGCIPPEEVIIAKELIEIN 145

<!--EndFragment-->

371 PCT date is 9/10/2002

Provisional 9/11/2002

UK in English 8/30/2002